



# Maxxam™ 34-1520 SSM TFPP

## Polypropylene Homopolymer

### Key Characteristics

#### Product Description

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc.

#### General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Features	• General Purpose	• Homopolymer	
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Silver		
Forms	• Pellets		
Processing Method	• Injection Molding		

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.06	1.06	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>2</sup> (230°C/2.16 kg)	15 g/10 min	15 g/10 min	ASTM D1238
Molding Shrinkage - Flow	8.0E-3 to 0.012 in/in	0.80 to 1.2 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>3</sup> (Yield)	4600 psi	31.7 MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	20 %	20 %	ASTM D638
Flexural Modulus	320000 psi	2210 MPa	ASTM D790
Flexural Strength	7500 psi	51.7 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.60 ft-lb/in	32 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	257 °F	125 °C	

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Mold Temperature	60.8 to 122 °F	16.0 to 50.0 °C

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Procedure A

<sup>3</sup> Type I, 2.0 in/min (51 mm/min)

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